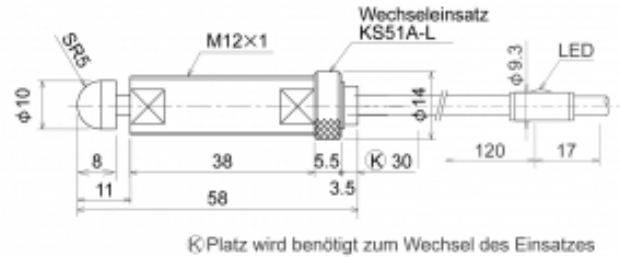


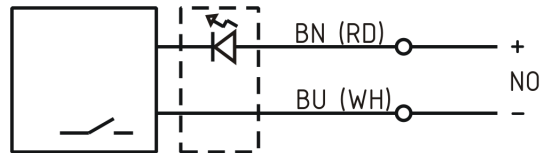
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## Product Description

## Touch Sensor



|                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| Name                | CSH121A-AL                                                                              |
| Order number        | 08430121001                                                                             |
| Switch type         |  N.O. |
| Signal Type         | mechanical contact                                                                      |
| Connection          | Cable 2m                                                                                |
| Connection diagramm |                                                                                         |



|                   |                                    |
|-------------------|------------------------------------|
| Dimension (in mm) | fine-pitch thread M12x1 x l = 59,5 |
| art_gewicht       | 69 g                               |

## Technical Specification

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Operating voltage     | 5 - 24 V DC                                     |
| Max. load current     | 10 mA                                           |
| Switching hysteresis  | 0                                               |
| Operating temperature | 0 ° C to 80 ° C                                 |
| Temperature drift     | 0                                               |
| Repeat accuracy       | 0,005 mm (at operating speed 50 ... 200 mm/min) |
| Switching state       | LED                                             |
| Stroke                | 2,8 mm                                          |
| Pre-travel            | 0,3 mm                                          |
| Accuracy              | 0,005 mm                                        |
| Probe tip             | Halbkugel/ hemisphere Ø 10                      |

|                     |                                          |
|---------------------|------------------------------------------|
| Probe tip material  | Edelstahl / Stainless steel              |
| Operation load      | 1,5 N                                    |
| art_ttl_mech        | 10 Mio. operating cycles                 |
| Protection category | IP65                                     |
| Wiring              | Zweidraht/ Two wire                      |
| Housing material    | Stainless steel V2A                      |
| Termination         | cable 2 m, 2 wire, Ø 4 mm, oil resistant |
| Approach direction  | axial or lateral                         |

### Errors and omissions exceptet